

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
31 March 2005 (31.03.2005)

PCT

(10) International Publication Number
WO 2005/027771 A1

(51) International Patent Classification⁷: **A61C 5/08,**
13/083, A61K 6/02

Fredrik [SE/SE]; Ordensbacken 7, S-181 33 Lidingö
(SE). IVERHED, Mattias [SE/SE]; Skofjärdsvägen 5,
S-741 91 Knivsta (SE).

(21) International Application Number:
PCT/SE2004/001279

(74) Agent: **OLSSON, Gunnar**; Nobel Biocare AB (publ),
Box 5190, S-402 26 Göteborg (SE).

(22) International Filing Date:
7 September 2004 (07.09.2004)

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0302539-2 24 September 2003 (24.09.2003) SE

(71) Applicant (for all designated States except US): **NOBEL
BIOCARE AB (PUBL)** [SE/SE]; Box 5190, S-402 26
Göteborg (SE).

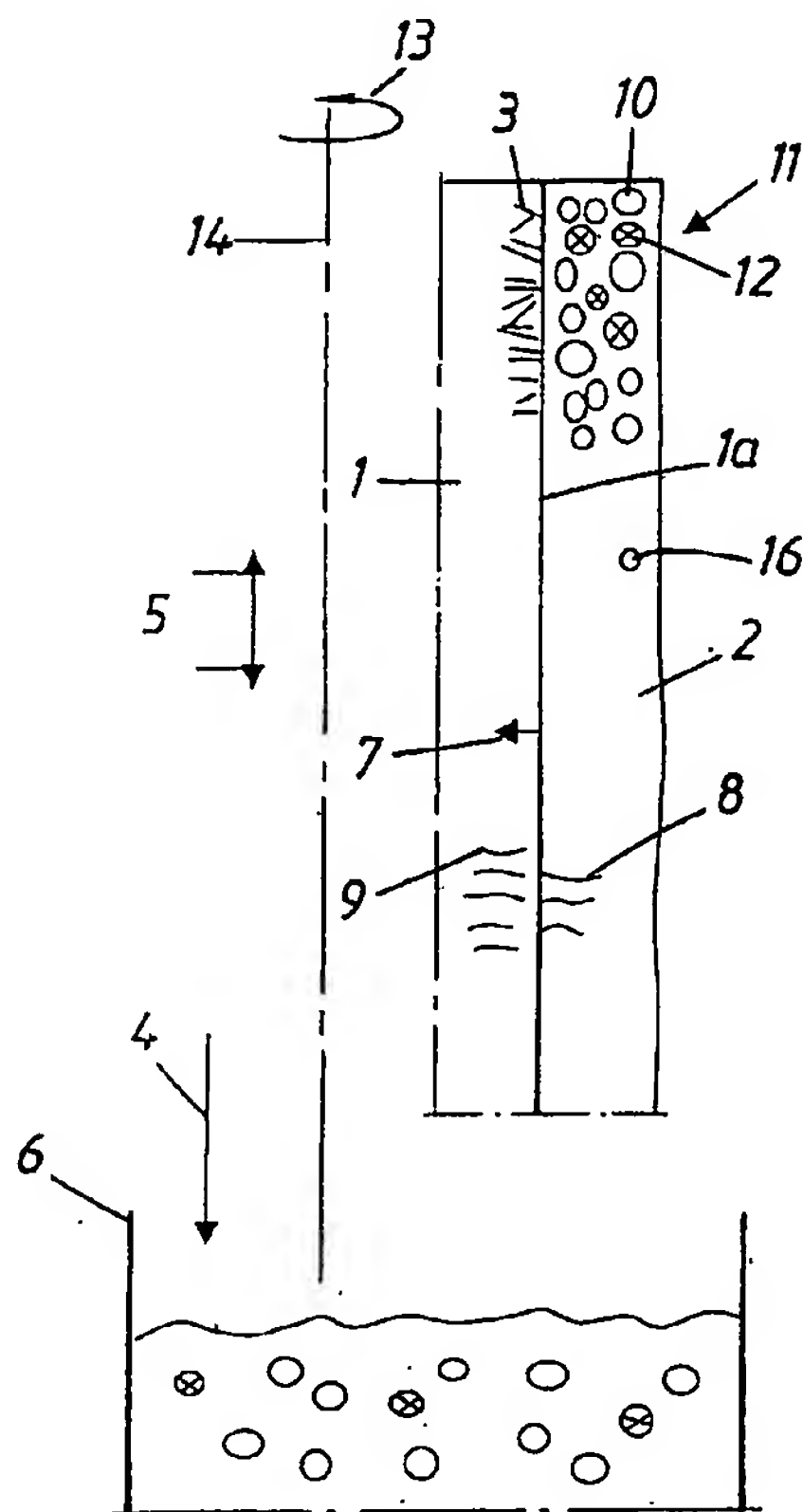
(72) Inventors; and

(75) Inventors/Applicants (for US only): **ADILSTAM,**

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,

[Continued on next page]

(54) Title: **METHOD AND ARRANGEMENT FOR A DENTAL INSTALLATION**



(57) Abstract: A substrate has or is provided on a surface with a first porosity. A dispersion with low-viscosity liquid is applied to the surface in order to form a ceramic layer with a second porosity having preferably larger and/or more pores than in the first porosity. The liquid has the ability to be sucked by capillary force into the first pore formation and, in a first stage, to retain on the surface material and/or liquid particles which do not penetrate into this first pore formation, and which contribute to the continued construction of the layer. In a second stage, the substrate is subjected to sintering in which the particles finally forming the layer are held together with intermediate spaces which consist of or are included in the second porosity, the spaces being formed either by the fact that material and liquid particles separate from the particles finally forming the layer are driven off during the sintering and/or by the fact that the particles forming the layer are chosen with a particle size which means that the last-mentioned particles are held together after the sintering despite the intermediate spaces. The invention also relates to an arrangement. By means of the invention, a dental product can be provided with excellent porosity which is advantageous in connection with dental installations.



ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,
SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Published:

— *with international search report*